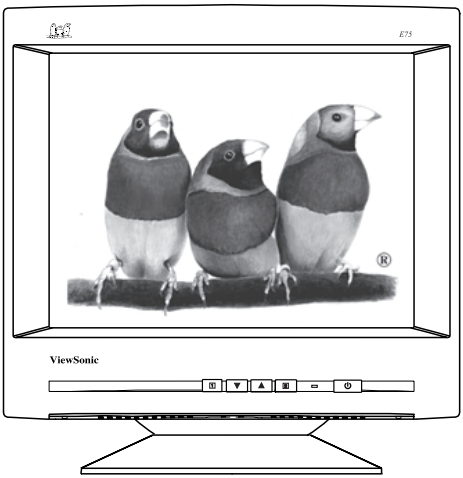
ViewSonic®

E75 Color Monitor



With Plug and Play

Full 17" (16.0" Diagonal Viewable)

User's Guide

Guide de l'utilisateur

(Intl Spanish)

(Brazilian Portuguese)

(Japanese)

(Traditional Chinese -Taiwan)

(Simplified Chinese - China)

(Korean)

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As an **ENERGY STAR® partner**, ViewSonic Corp. has determinded that this product meets the ENERGY STAR® guidelines for energy efficiency.

Electronic Warranty Registration

Register your monitor at **www.viewsonic.com**. It's fast, easy, and will simplify future support needs.

For Your Records

The serial number of this product is on the back of the monitor. You should note the serial number of this unit in the space provided and retain this booklet as a permanent record of your purchase to aid in identification in the event of theft or loss.

Product Name:	**ViewSonic E75**
Model Number:	**VCDTS22038-1**
Document Number:	**E75_UG_74**
Serial Number:	_____
Purchase Date:	_____

Power Cord Safety Guidelines

Caution : Use a power cable that is properly grounded. Always use the AC cords listed below for each area :

USA .....UL
Canada .....CSA
Germany .....VDE
Switzerland .....SEV
Britain .....BASEC/BS
Japan .....Electric Appliance Control Act

In other areas, use AC cord which meets local safety standards.

Power Cord Safety Guidelines (continued)

AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	**Earth**
Blue:	**Neutral**
Brown:	**Live**

If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord set for this unit has been enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed.

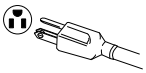
The female receptacle of the cord set must meet CEE-22 requirements and will look like Figure 1 below:

Figure 1

For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure 2), UL Listed, and CSA Labelled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult Table A below for the selection criteria for power cords used in the United States and Canada.

Figure 2



For European Countries

In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HAR-Certified, and a special mark that will appear on the outer sheath, or on the insulation of one of the inner conductors.

If you have any questions concerning which proper power cord to use, please consult with the dealer from whom you have purchased your monitor.

Table A

Cord Type	Size of Conductors In Cord	Maximum Current Rating of Unit
SJT	18AWG 16AWG 14AWG	10Amps 12Amps 12Amps
SVT	18AWG 17AWG	10Amps 12Amps

FCC Information

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*To meet your future needs, and to receive any additional product information as it becomes available, please register your monitor's warranty on the Internet at: **http://www.viewsonic.com**.

Getting Started

Congratulations on your purchase of an E²® Series **ViewSonic *E75*** monitor!

Save the original box and all packing material for future shipping needs.

NOTE: This product was designed for operation in the magnetic fields of the hemisphere where it was purchased. Also, the word "Windows®" in this user guide refers to the following Microsoft® operating systems: Windows '95, Windows '98, Windows NT® (5.0).

Package Contents

Your **ViewSonic *E75*** package includes the following:

- **ViewSonic *E75*** monitor
- Attached video cable with 15 pin high density mini D-sub connector
- Power cord
- User's Guide
- INF and ICM installation files on CD-ROM

IMPORTANT: The supplied INF file assures compatibility with Windows operating systems, and the ICM (Image Color Matching) file ensures accurate on-screen colors. ViewSonic® recommends that you install both files: insert the CD-ROM into your system, wait for it to auto-install, select "Monitor Drivers," and follow the on-screen instructions.

Precautions

- For best viewing conditions sit at least 18" from the monitor.
- AVOID TOUCHING THE SCREEN WITH YOUR FINGERS. Oils from the skin are difficult to remove.
- NEVER REMOVE THE REAR COVER. The monitor contains high-voltage parts. You may suffer serious injury if you touch these parts.
- Avoid exposing the monitor to direct sunlight or another heat source. The monitor should be facing away from direct sunlight to reduce glare.
- Always handle your monitor with care when moving it.
- Choose a well ventilated area to position your monitor. Do not place anything on the monitor that prevents adequate dissipation of heat.
- Ensure the area around the monitor is clean and free of moisture.
- Keep the monitor away from magnets, motors, transformers, speakers, and televisions.
- Do not place heavy objects on the monitor, video cable, or power cord.
- If smoke, abnormal noise, or strange odor is present, immediately switch the monitor off and call your dealer or ViewSonic. It is dangerous to continue using the monitor.

Quick Installation

1 Connect video cable

Make sure both the E75 and computer are powered OFF. Connect the video cable to the computer, then to the E75.

Macintosh® users: Connect a Macintosh adapter (part No. VMAC-1) to the video cable, then to the E75. To order an adapter, contact ViewSonic® (see the back cover of this guide). You will need to provide your E75's serial number.

2 Connect power cord

Connect the power cord to a properly grounded AC outlet, then to the E75.

3 Power-ON computer and monitor

Power-ON the computer, then power- ON the E75 monitor.

NOTE: At this point Windows® 98 users may receive a message asking them to install the E75's INF file.

4 Install INF and ICM files

For CD-ROM: Insert the CD-ROM into your system, wait for it to auto-start, select "Monitor Drivers," and follow the on-screen instructions.

For diskette: Insert the diskette into your system, run install.exe, and follow the on-screen instructions.

5 Windows users: Setting the Timing Mode

(Resolution and Refresh Rate)
Example: 1024x768 @ 75Hz

Resolution Right-click on the Windows desktop > Properties > Settings > "Desktop Area." Set the resolution.

Refresh Rate (vertical frequency) See your graphic card's user guide for instructions.

6 Use the OnView® controls to adjust the screen image.

See *Operation*, pages 7-10.

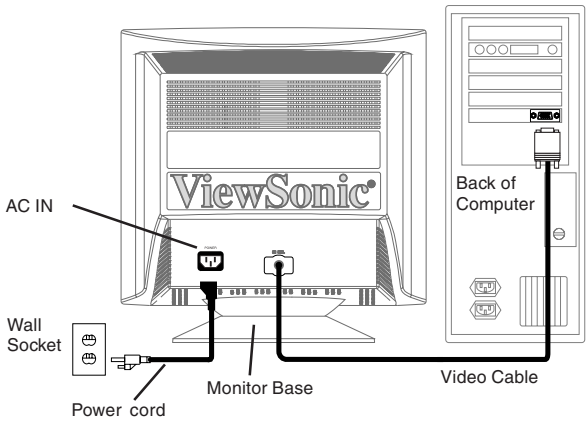
Installation is complete!

Enjoy your new E75 Monitor!

To be best prepared for any future customer service needs:

- Write the serial number (see back of the monitor) in *"For your Records"* on page 1 of this guide.
- Register the warranty of your monitor on the Internet at:

http://www.viewsonic.com



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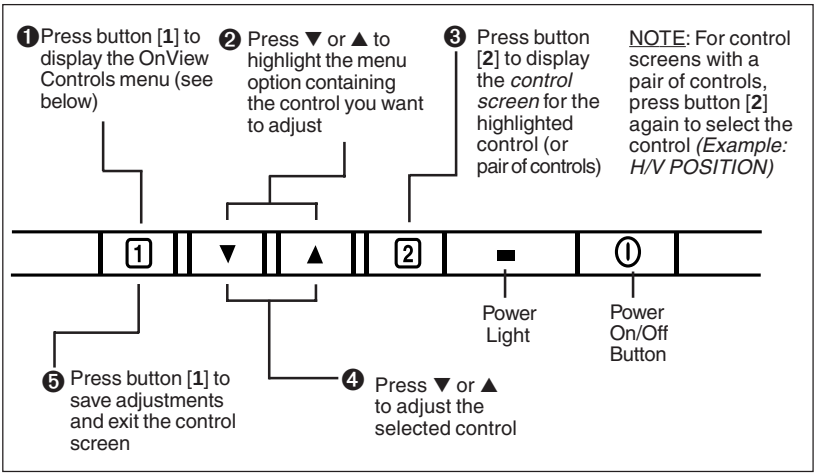
Operation

To adjust the screen image using the OnView® controls, follow steps 1 through 5 shown below:

Front Control Panel


❶Press button [1] to display the OnView Controls menu (see below)
❷ Press ▼ or ▲ to highlight the menu option containing the control you want to adjust
❸ Press button [2] to display the *control screen* for the highlighted control (or pair of controls)
NOTE: For control screens with a pair of controls, press button [2] again to select the control *(Example: H/V POSITION)*
1
▼
▲
2
Power Light
Power On/Off Button
❺ Press button [1] to save adjustments and exit the control screen
❹ Press ▼ or ▲ to adjust the selected control

OnView Controls menu, part 1

When you press button [**1**], the OnView Controls menu displays (see below). Some menu options include pairs of controls (example: H/V POSITION).

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OnView Controls menu, part 1 (continued)

NOTE: Press button [**2**] to toggle between all controls that appear on the OnView Controls menu in pairs (for example, H/V Size).

CONTRAST adjusts foreground white level of screen image.
Press [▼] or [▲] to adjust.

Shortcut: Before displaying the OnView Controls menu, press [▼] or [▲] to display the CONTRAST control screen.

BRIGHTNESS adjusts background black level of screen image.
Press [▼] or [▲] to adjust.

H. POSITION (Horizontal Position) moves screen image left or right.
[▼] moves screen image left, [▲] moves screen image right.

V. POSITION (Vertical Position) moves screen image up or down.
[▼] moves screen image down, [▲] moves screen image screen up.

H. SIZE (Horizontal Size) adjusts width of screen image.
[▼] decreases width, [▲] increases width.

V. SIZE (Vertical Size Position) adjusts height of screen image.
[▼] decreases height, [▲] increases height.

PINCUSHION straightens vertical sides of screen image.
[▼] curves vertical edges inward, [▲] curves vertical edges outward.

PIN BALANCE curves the screen's vertical edges to the left or right.
[▼] curves vertical edges to left, [▲] curves vertical edges to right.

TRAPEZOID makes vertical edges of screen image parallel.
[▼] narrows top and widens bottom, [▲] widens top and narrows bottom.

PARALLELOGRAM slants vertical edges of screen image to left or right.
[▼] slants vertical edges to left, [▲] slants vertical edges to right.

TILT rotates entire screen image.
[▼] rotates screen image counter-clockwise, [▲] rotates screen image clockwise.

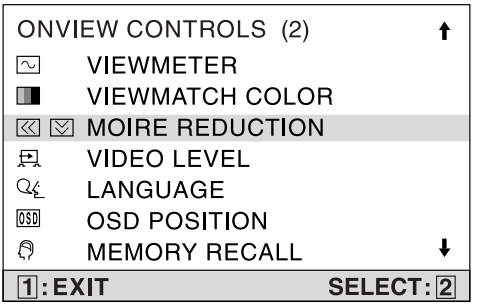
DEGAUSS removes the build-up of magnetic fields that can cause irregular colors to appear around the edges of screen images.

With DEGAUSS highlighted on the menu:

- Press [**2**] to degauss the monitor
- Press [**1**] to return to the menu *without degaussing*

Important: *Do not degauss repeatedly. Doing so can be harmful to the monitor. Wait at least 20 minutes before selecting this control again.*

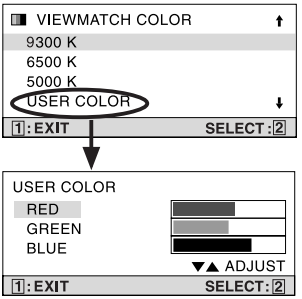
OnView Controls menu , part 2



VIEWMETER® displays the frequency signal input (horizontal scan and refresh rate) coming from the graphics card in your computer. See your graphics card's user guide for more details. (FH = Horizontal Frequency, or horizontal scan; FV = Vertical Frequency, or refresh rate.)

VIEWMATCH® COLOR provides four color adjustment options: three preset color temperatures and USER COLOR which allows you to adjust the red, green, and blue individually.

NOTE: The factory setting for the monitor is 9300K, the color temperature most frequently used in offices with fluorescent lights.



VIEWMATCH COLOR Sub-Menu

Press [▼] or [▲] to select one of these color controls. If USER COLOR is selected, then press [**2**] to display the USER COLOR control screen.

USER COLOR Control Screen

From the USER COLOR Control Screen press [**2**] to select Red, Green, or Blue, then press [▼] or [▲] to adjust.

H. MOIRE (Horizontal Moire) reduces horizontal interference patterns that appear as ripples, waves, or unwanted background color textures.
Press [▼] or [▲] to minimize interference patterns.

NOTE: Moire interference patterns are most noticeable when viewing images having closely spaced lines or finely detailed patterns.

OnView Controls menu, part 2 (continued)

V. MOIRE (Vertical Moire) reduces vertical interference patterns that appear as ripples, waves, or unwanted background color textures.
Press [▼] or [▲] to minimize interference patterns.

VIDEO LEVEL allows you to select the input level of the video signal coming from your computer's graphic card.
Press button [**2**] to toggle between 0.7 Volts and 1.0 Volts.

NOTE: The default setting is 0.7V. The 1.0V option is typically used for older graphics cards that requre it.

Shortcut: While no menu or screen is visible on screen, press [**2**] to display the Video Level control screen.

LANGUAGE allows you to choose from among five languages for the OnView Controls menu and control screens: English, French, German, Italian, and Spanish.
Press [▼] or [▲] to select a language.

NOTE: Press button [**2**] to toggle between OSD H. POSITION and OSD V. POSITION.

OSD H. POSITION (Horizontal On-Screen Display Position) repositions menus and control screens horizontally.
Press [▼] to move OSD to the left, [▲] to move OSD to the right.

OSD V. POSITION (Vertical On-Screen Display Position) repositions menus and control screens vertically.
Press [▼] to move OSD down, [▲] to move OSD up.

MEMORY RECALL returns all controls back to factory settings for the video timing currently selected. (See the bottom of the Specifications page with *Preset Timing Modes* set by the factory.)
Press [**2**] to recall factory settings.

NOTE: If you want to exit the MEMORY RECALL screen without recalling factory settings, press button [**1**].

Other Information

Specifications

CRT	Type	17" (16.0" viewable diagonal) 0.25mm diagonal, 0.23mm Horizontal, 0.12mm Vertical pitch, 90° deflection, RGB P22, medium/short persistence
	Glass Surface	Anti-Glare, Anti-Static. Anti-Reflective coating Standard light transmission rate = 52%
Input Signal	Video	RGB Analog (0.714 Vp-p, 75 ohms) HV Separated (TTL), f_H: 30-70kHz, f_V: 50-160Hz
Compatibility	PC Macintosh®*1	Up to 1280 x 1024 NI Power Macintosh®
Maximum Refresh Rates*2		1280 x 1024 NI @ 65Hz 800 x 600 NI @ 109Hz 1024 x 768 NI @ 86Hz 640 x 480 NI @ 134Hz 832 x 624 NI @ 105Hz
Power	Voltage	AC 100-240V 50/60 Hz (auto switch)
Connectors	Input Signal Power	15 pin mini D-sub 3-pin plug (IEC320), SHUKO or PC type
Display Area	Default Full Scan	300mm (H) x 230mm (V) (Typical) 320mm (H) x 240mm (V)(Depends on signal timing)
Operating Conditions	Temperature Humidity Altitude	32°F to 104°F (0°C to 40°C) 5% to 95% (no condensation) To 9,000 feet
Storage Conditions	Temperature Humidity Altitude	-40°F to +140°F (-40°C to +60°C) 5% to 95% (no condensation) To 39,000 feet
Dimensions	Physical (monitor)	410mm (W) x 421mm (H) x 444mm (D) 16.1" (W) x 16.6" (H) x 17.5" (D)
Weight	Net	16.5 kgs (36.3 lbs) (monitor only)
Regulations		UL, CSA, FCC-B, CB, ISO 9241-3, CE, DHHS, DOC-B, MPR II, NOM, IRAM, TUV/GS, VCCI, BSMI, S-MARK, C-TICK, S. AFRICA, CCIB, CCEE, EMC, EMI-B, TCO 99, ENERGY STAR®
Power saving modes	*On* *DPMS Stand By* *DPMS Suspend* *DPMS Off*	<105 typical (green LED) <15W (orange LED) <15W (orange LED) <3W (orange LED)

Preset Timing Modes (pre-adjusted to **VESA® 1024 x 768 @ 85 Hz**)

VGA 640 x 400 @ 70 Hz	VESA 1024 x 768 @ 85 Hz
VESA 640 x 480 @ 75 Hz	VESA 1280 x 1024 @ 60 Hz
VESA 640 x 480 @ 85 Hz	Macintosh 640 x 480 @ 67 Hz
VESA 800 x 600 @ 75 Hz	Macintosh 832 x 624 @ 75 Hz
VESA 800 x 600 @ 85 Hz	Macintosh 1024 x 768 @ 75 Hz
VESA 1024 x 768 @ 75 Hz	

*1 *A Macintosh computer requires a ViewSonic® Macintosh adapter. To order an adapter, contact customer support. See the back cover of this manual. You will need to provide the serial number on your monitor.*

*2 ***Warning: Do not set the graphics card in your computer to exceed these maximum refresh rates. Doing so may result in permanent damage to the monitor. NI=Non Interlaced.***

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Troubleshooting

No power

- Press Power button ON.
- Make sure A/C power cord is securely connected to back of monitor and to a power outlet.
- Plug another electrical device (like a radio) into power outlet to verify that outlet is supplying proper voltage.

Power on but no screen image

- Make sure video cable supplied with monitor is tightly secured to video output port on back of computer. If other end of video cable is not attached permanently to monitor, tightly secure it to monitor.
- Adjust the brightness and contrast.
- Check this user's guide to see if an adapter is required for proper signal continuity between graphics card and monitor.

Flickering

- Not enough power supplied. Connect monitor to different outlet. If using surge protector, reduce number of devices plugged in.
- Check ViewMeter to verify refresh rate (vertical frequency) is 75 Hz or higher. See the Specifications section.
- Make sure graphics card in your computer can use non-interlaced mode at desired frequencies. To enable your graphics card to support higher refresh rates, try selecting fewer colors or running lower resolutions.
- Remove any devices from area around monitor that emit magnetic fields such as radios, surge protectors, unshielded speakers, fluorescent lights, AC power converters, desk fans, etc.

Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check video cable to make sure it is securely connected. Loose pins in the cable connector could cause a bad connection.
- Connect monitor to another computer.
- Turn monitor OFF, wait one minute, then turn ON again. *Do this only once.*
- If you have an older graphics card, contact customer support for a non-DDC adapter.

Entire screen image scrolls (rolls) vertically

- Make sure video input signals are within monitor's specified frequency range.
- Try monitor with another power source, graphics card, or computer system.
- Connect video cable securely.

Control buttons do not work

- Press only one button at a time.

Cleaning the Monitor

- MAKE SURE THE MONITOR IS TURNED OFF.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE.

To clean the screen

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case

1. Use a soft, dry cloth.
2. If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

DISCLAIMER

ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the monitor screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the monitor. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

LIMITED WARRANTY
VIEWSONIC *E75* MONITORS

What the warranty covers:
ViewSonic® warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, **ViewSonic** will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:
The **ViewSonic** ***E75*** color monitor, including the display tube, are warranted for three (3) years for all parts and three (3) years for all labor from the date of the first consumer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b. Repair or attempted repair by anyone not authorized by ViewSonic.
   c. Any damage of the product due to shipment.
   d. Removal or installation of the product.
   e. Causes external to the product, such as electric power fluctuations or failure.
   f. Use of supplies or parts not meeting ViewSonic's specifications.
   g. Normal wear and tear.
   h. Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

How to get service:
1. For information about receiving service under warranty, contact **ViewSonic** Customer Support. See the back cover of this user's guide.
2. To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address (d) a description of the problem and (e) the serial number of the product.
3. Take or ship the product prepaid in the original container to your ViewSonic dealer, any **ViewSonic** service center or **ViewSonic**.
4. For additional information or the name of the nearest **ViewSonic** service center, contact your **ViewSonic** dealer or **ViewSonic**.

Limitation of implied warranties:
THERE ARE NO WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:
VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:
1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of state law:
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A.:

For **ViewSonic** products sold outside of the U.S.A., contact your **ViewSonic** dealer for warranty information and service.

REV 1/15/99

Customer Service

To receive the most prompt assistance, dial the appropriate number below and *listen to all menu options before making your selection*: Customer Support, Technical Support, Parts, etc.

U.S. and Canada only
1-800-688-6688

From outside U.S. and Canada
909-869-7976

From Europe
44 (1293) 643-900

From Asian/Pacific Rim countries
886 (22) 248-4072

Other Options

Technical Support Questions
vstech@viewsonic.com

Product or Dealer Questions
prodinfo@viewsonic.com

World Wide Web:
http://www.viewsonic.com

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08/2000